

SHARP

CASSETTENRECORDER FÜR TASCHENCOMPUTER
MAGNÉTOPHONE À CASSETTE POUR ORDINATEUR DE POCHE
KASSETTBANDSPELARE FÖR FICKDATOR
REGISTRATORE A CASSETTE PER COMPUTER TASCABILE
CASSETTE RECORDER FOR POCKET COMPUTER

MODELL
MODÈLE
MODELL
MODELLO
MODEL

RD-720H

BEDIENUNGSANLEITUNG
BRUKSANVISNING
OPERATION MANUAL

MODE D'EMPLOI
MANUALE DI ISTRUZIONI

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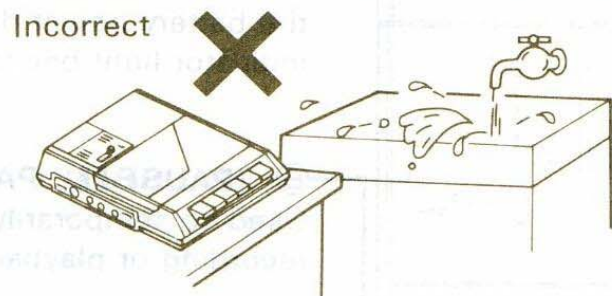
Note:

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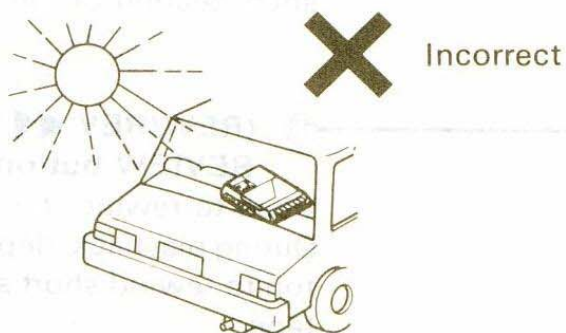
PRECAUTIONS

To insure trouble-free Cassette Recorder operation, please observe the following precautions:

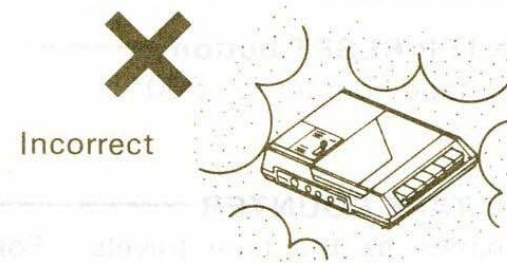
Do not expose this unit to moisture, as this will damage the internal circuitry.



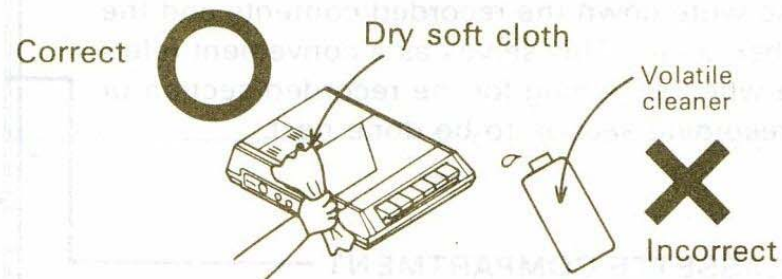
Do not expose the unit to temperatures higher than 60°C (140°F). The unit should not be placed in direct sunlight or in a closed vehicle, nor should it be placed near such heat sources as heaters, etc.



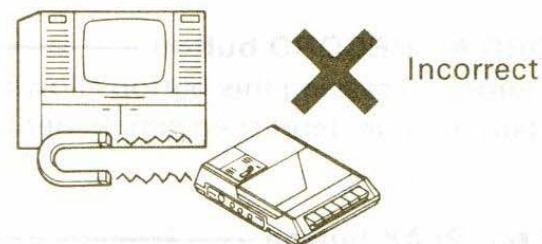
Do not locate or store this unit for extended periods in places subject to high humidity or dust.



Use a soft, dry cloth to clean the unit. Do not use any solvent or wet cloth.



Do not locate the cassette recorder or cassettes near objects with a strong magnetic field, such as radios, TV sets or loudspeakers. Magnetic fields may reduce the tape sensitivity or even erase the recorded contents.



OPERATING CONTROLS

① TAPE COUNTER RESET button

Used to reset the tape counter to "000".

② (COUNTER): TAPE COUNTER

The numbers change as the tape travels. For recording from the beginning of tape, press the reset button first to set the counter at "000." The number on the counter shifts as the tape is taken up, so write down the recorded contents and the number range. This serves as a convenient reference when searching for the recorded section or the recording section to be done next.

③ CASSETTE COMPARTMENT

Holds the cassette tape.

④ (STOP/EJECT ■▲): STOP/EJECT button

Used to stop the tape and to open the cassette compartment lid and eject the tape.

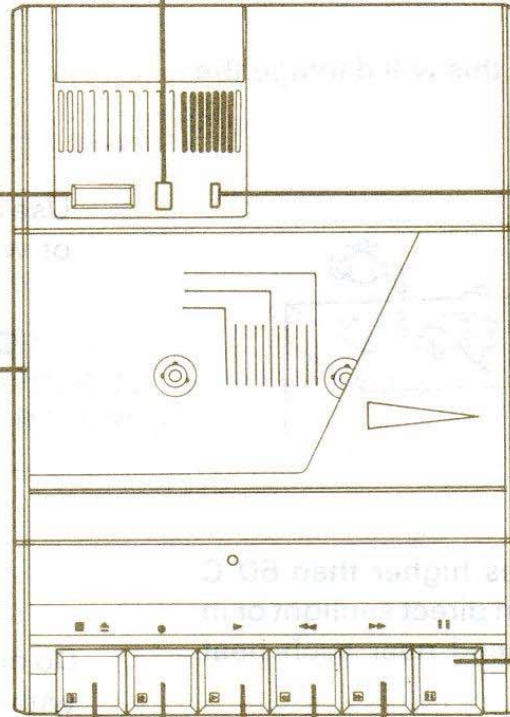
To open the cassette holder, depress the button slightly harder.

⑤ (RECORD ●): RECORD button

Used to record. Depressing this button allows the PLAY ► button to be depressed simultaneously.

⑥ (PLAY ►): PLAY button

Used to play back the tape.



⑦ (BATT/REC): BATTERY/RECORD LED indicator

This indicator flashes with the input of a signal during recording. The indicator is bright during playback or fast forward. When the battery power decreases, the indicator light becomes dim.

⑧ (PAUSE ||): PAUSE button

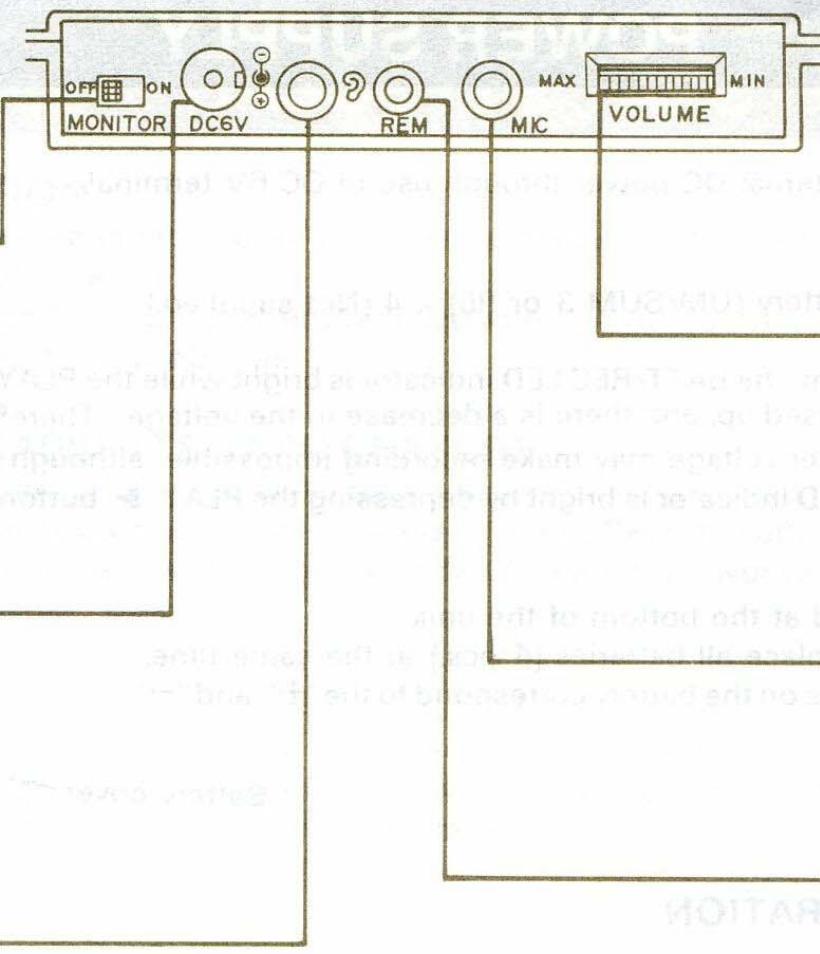
Used to temporarily discontinue recording or playback.

⑨ (FF/CUE ►►): FAST-FORWARD/CUE button

Used to advance the tape rapidly. During playback, depress this button for fast forward winding of short section of the tape.

⑩ (REW/REV ◀◀): REWIND/REVIEW button

Used to rewind the tape. During playback, depress this button to rewind short section of the tape.



⑪ (MONITOR): MONITOR switch

At "ON" you can hear signals of recorded tape, which makes it easy to check start point and end of the recorded data. Also you can monitor at recording.

⑫ (DC 6V): EXTERNAL DC POWER SUPPLY terminal

Connect the external DC power supply lead plug when the unit is operated using the external DC power source.

⑬ (?): EARPHONE terminal

Connect the plug for tape transfer and collation.

⑭ (VOLUME): VOLUME control

Used to control the volume. Rotating the volume control in the direction of the "MAX" mark increases the output.

⑮ (MIC): MICROPHONE terminal

Connect the plug for recording.

⑯ (REM): REMOTE CONTROL terminal

Connect the plug for remote control.

Automatic Record Level Control (A.L.C.) circuit automatically adjusts the recording level.

POWER SUPPLY

This unit operates on dry batteries.

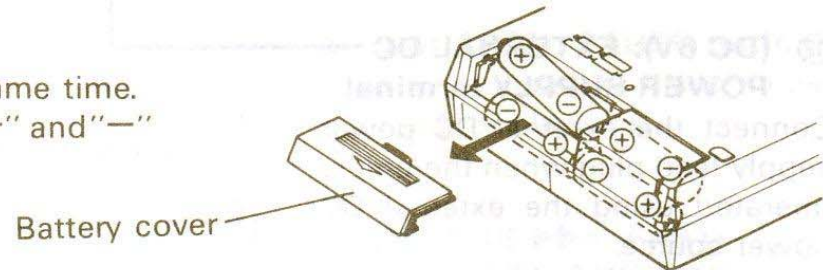
The unit can also be operated on external DC power through use of DC 6V terminal.

BATTERY OPERATION

Batteries: Heavy duty manganese battery (UM/SUM-3 or R6) × 4 (Not supplied.)

If the battery power voltage is sufficient, the BATT/REC LED indicator is bright while the PLAY ► button is depressed. When this indicator dims, the battery power is used up, and there is a decrease in the voltage. Therefore, replace all 4 batteries with new ones. A decrease in the battery power voltage may make recording impossible, although playback is possible. For important recordings, check if the BATT/REC LED indicator is bright by depressing the PLAY ► button. When the indicator is dim, replace all 4 batteries with new ones.

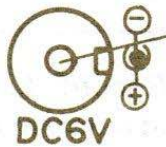
1. Remove the battery cover located at the bottom of the unit.
2. Replace the batteries. Always replace all batteries (4 pcs.) at the same time. Be sure that the "+" and "-" marks on the battery correspond to the "+" and "-" marks on the bottom of the unit.
3. Replace the battery cover.



EXTERNAL DC POWER OPERATION

Connect the external DC power supply lead plug to the DC 6V terminal of the unit.

Then connect the external DC power supply lead plug to the external DC power source.



The centre pin is the negative (-) terminal. Connecting the external DC power supply lead plug with incorrect polarity will result in damage to the unit.

CASSETTE TAPE

● CASSETTE TAPE SELECTION

The quality and condition of the cassette tapes used will directly affect the performance of this unit.

- Use only well-known brands of tape.
- The use of C-90 (90 minutes) and C-120 (120 minutes) cassettes is not recommended. The extreme thinness of the tape may result in breakage or other problems.

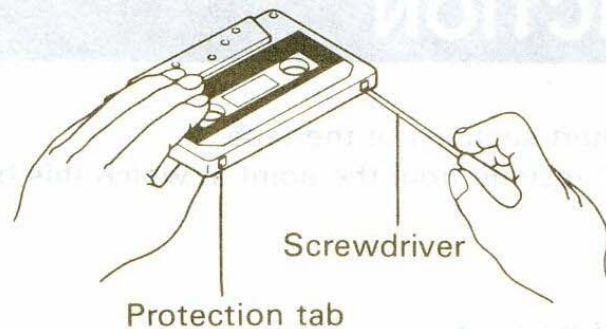
● PROTECTION AGAINST CASSETTE TAPE ERASURE

All cassette tapes are provided with tabs, which allow tape erasure to be performed.

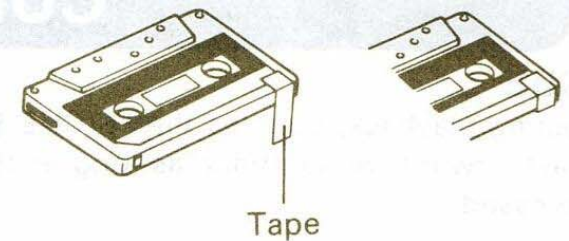
If these tabs are removed, no tape erasure is possible because the RECORD ● button cannot be depressed.

To protect the "A" side of cassette tape, break off the "A" side tab with a screwdriver.

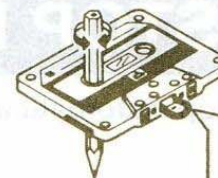
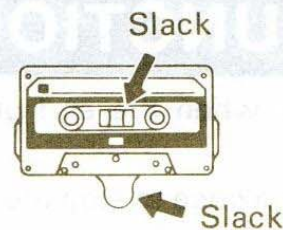
Follow the same procedure for the "B" side.



The tape can be rerecorded or erased by covering the tab holes with plastic tape.



Note: Check to ensure there are no loose layers of tape visible through the cassette centre window or open end. Tighten these loose layers with a pencil or ball-point pen before inserting the cassette into the cassette compartment.



Do not touch with your fingers.

LOADING AND UNLOADING CASSETTE TAPE

LOADING

1. Depress the STOP/EJECT $\blacksquare \blacktriangle$ button to open the cassette compartment lid.
2. Load the cassette tape into the compartment so that the title ("A" or "B") of the tape track to be used is facing upwards.
3. Press the cassette compartment lid down.

UNLOADING

1. Depress the STOP/EJECT $\blacksquare \blacktriangle$ button to open the cassette compartment lid and remove the tape.
2. Press the cassette compartment lid down.

Note: In the PLAY mode, etc., depress the STOP/EJECT $\blacksquare \blacktriangle$ button once to stop the tape movement. And repress it to eject the tape.

CUE OR REVIEW FUNCTION

CUE

During playback, depress the FF/CUE $\blacktriangleright \blacktriangleright$ button for fast forward winding of short sections of the tape.

Fast forward will continue as long as the button is depressed and playback will resume from the point at which this button is released.

REVIEW

During playback, depress the REW/REV $\blacktriangleleft \blacktriangleleft$ button to rewind short sections of the tape.

Rewind will continue as long as this button is depressed, and playback will resume from the point at which this button is released.

AUTO STOP FUNCTION

In the PLAY and RECORD modes, the tape will stop automatically when the end of tape is reached. The PLAY \blacktriangleright and/or RECORD \bullet button then pop up automatically.




Note: In the PLAY mode, etc., depress the STOP/EJECT $\blacksquare \blacktriangle$ button once to stop the tape movement. And depress it again to eject the tape.

IN CASE OF LOAD ERROR

- Disconnect the plug from the MIC terminal and load again.
- Set the MONITOR switch to "ON" and adjust the VOLUME control and load again.
- Check the batteries. If the BATT/REC LED indicator does not light during function, it means the battery power is not enough. In this case, renew batteries.

CLEANING THE TAPE HEAD

Clean the head frequently to remove dust and tape residue. Dirt on the head will make recording and playback impossible.

1. Depress the STOP/EJECT   button to open the cassette compartment lid.
2. Remove the tape from the cassette compartment.
3. Depress the PLAY  button.
4. Clean the head and pinch roller, etc. with a soft lint-free cloth or cotton swab that has been partially soaked in alcohol until the head and pinch roller, etc. are free of all dirt and residue deposits.

ERASING THE RECORDED CONTENTS

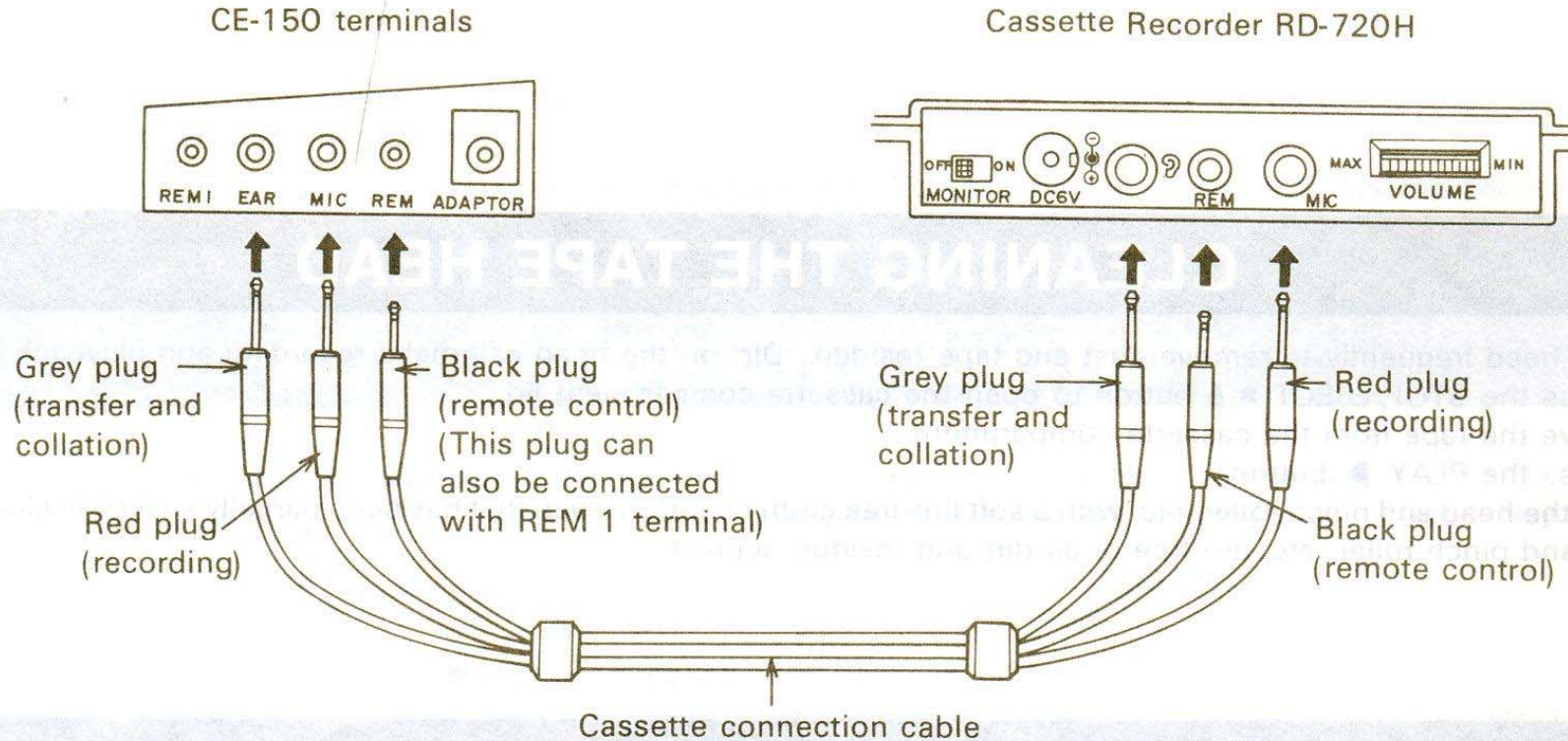
For rerecording, merely record over the old recording. The old recording will automatically be erased and the new one put on the tape. If you do want to erase a cassette tape or just a portion of the recording, insert the Erase Plug (not supplied) into the MIC terminal. Then, operate the RD-720H just as though you were recording. As the tape moves, it will be erased clean.

CONNECTING THE CASSETTE RECORDER TO THE COMPUTER

Example: Connecting to the PC-1500 pocket computer:

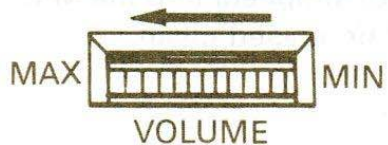
The RD-720H can be connected to the PC-1500 via CE-150 Printer/Cassette Interface.

The CE-150 comes with a cassette connection cables.



For details of the connection, please read the Instruction Manual of the Pocket Computer and the Interface.

Adjustment Volume Control



To maximize the output, rotate the volume control in the direction of the arrow (shown in the diagram).

PRECAUTIONS FOR THE CASSETTE RECORDER

- 1) To transfer or collate the tape, use the cassette recorder with which the tape was prerecorded. The cassette recorder, if different from that used for recording, may cause no transfer or collation of tape to be possible.
- 2) The head of the cassette recorder, if stained, will result in a distortion increase or a level decline. Therefore, clean the head as necessary.
- 3) Recording is not possible on the leader at the start or end of tape. Start recording after the tape advances for a few seconds.

SPECIFICATIONS

Model:	RD-720H
Type:	Cassette recorder
Track system:	2-track, 1-channel monophonic
Tape:	Compact cassette tape
Tape speed:	1-7/8" ips. (4.8 cm/sec.)
Output level:	1.8V (100 ohms)
Frequency response:	200-6,000 Hz
Signal-to-Noise ratio:	27 dB
Power source:	6V \square (DC): Heavy duty manganese battery, Size: UM/SUM-3 or R6 \times 4, or external 6V DC
Dimensions:	119 (W) \times 166 (D) \times 32 (H) mm 4-11/16" (W) \times 6-9/16" (D) \times 1-1/4" (H)
Weight:	440 g (0.97lbs.) (without batteries)

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OSAKA, JAPAN

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